

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kwong Heng Kwok  
Filed: Herewith  
For: Process for Controlling the Capstan in a Video Tape Recorder  
(VTR)

PRELIMINARY AMENDMENT

Hon. Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please amend the above identified application as follows.

IN THE SPECIFICATION

Page 1, line 1, insert as title,

--Process for controlling the capstan in  
a video tape recorder (VTR)--

Page 1, line 32 insert replacement paragraph as follows,

--Advantageous features of the invention are as follows :

- the first period of time lasts longer than 5 times the second period of time ;

- the second period of time lasts between 0.5 ms and 5 ms ;

- the second period of time lasts between 1 ms and 2 ms ;

- the first period of time lasts between 5 ms and 25 ms ;

- the first period of time lasts between 12 ms and 16 ms ;

- the motor is controlled by a control current and a control rotation direction, the control current is strictly positive during the first period of time and during the second period of time, the control rotation direction is set backward during the first period of time and the control rotation direction is set forward during the second period of time ;

- the motor is fed by a drive current, the drive current is not null and has a first given sign during the first period of time and the drive current is not null and has a second sign opposite said first sign during the second period of time.--

Page 6, line 1, delete "WHAT IS CLAIMED, IS" and replace with

--What is claimed is:--

Page 8, delete Abstract and replace with the ABSTRACT supplied herewith on a separate sheet.

09/16/50 07:01  
10/22/00 05:51

## --ABSTRACT

In a video tape recorder (VTR) the capstan draws the tape from which the video signal is reproduced in a forward direction. The following steps are used to control the capstan, applying a torque to the capstan in a backward direction for a first predetermined period of time. Applying a torque to the capstan in the forward direction for a second predetermined period of time and nullifying the motor current. This arrangement is particularly convenient for reproduction in slow-motion and still-picture modes.--

09/22/80 09:57:50

AMENDMENT WITH MARKINGS TO SHOW CHANGES MADE

Page 1, line 1, insert as title,

--Process for controlling the capstan in  
a video tape recorder (VTR)--

Page 1, line 32,

[Possible advantageous] Advantageous features of the invention [follow] are  
as follows :

- the first period of time lasts longer than 5 times the second period of time ;
- the second period of time lasts between 0.5 ms and 5 ms ;
- the second period of time lasts between 1 ms and 2 ms ;
- the first period of time lasts between 5 ms and 25 ms ;
- the first period of time lasts between 12 ms and 16 ms ;
- the motor is controlled by a control current and a control rotation direction, the control current is strictly positive during the first period of time and during the second period of time, the control rotation direction is set backward during the first period of time and the control rotation direction is set forward during the second period of time ;
- the motor is fed by a drive current, the drive current is not null and has a first given sign during the first period of time and the drive current is not null and has a second sign opposite said first sign during the second period of time.

Page 6, line 1,

[WHAT IS CLAIMED, IS]

--What is claimed is:--

Page 8.

**[TITLE & ABSTRACT**

**Process for controlling the capstan in  
a video tape recorder (VTR)**

In a video tape recorder (VTR), the capstan draws the tape from which the video signal is reproduced in a forward direction. Following steps are proposed to control the capstan :

- applying a torque to the capstan in a backward direction for a first predetermined period of time ;
- applying a torque to the capstan in the forward direction for a second predetermined period of time ;
- nullifying the motor current.

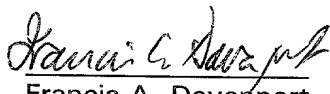
This is particularly convenient for slow-motion and still-picture reproduction modes.]

REMARKS

Pages 1 and 6 of the application have been amended to correct typographical errors and to meet the requirements of the U.S. Patent Office. No new matter has been added.

Respectfully submitted,  
Kwong Heng Kwok

July 27, 2001

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